	Application No.	Applicant(s)
Notice of Allowability	10/705,251	HIGUCHI ET AL.
	Examiner	Art Unit
	Thomas M. Dougherty	2834
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>9/13/06</u> .		
2. The allowed claim(s) is/are <u>1-13,26-28,32-35,40-45,52,53,55 and 56</u> .		
<ul> <li>3.</li></ul>		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal Pa 6. ☐ Interview Summary Paper No./Mail Data 7. ☑ Examiner's Amendman 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e

## **EXAMINER'S AMENDMENT**

The application has been amended as follows: cancel claims 14-25, 29-31, 36-39, 46-51, 54 and 57-83.

These claims had previously been withdrawn from consideration.

## Allowable Subject Matter

Claims 1-13, 26-28, 32-35, 40-45, 52, 53, 55 and 56 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art fails to show or fairly suggest formation of a bottom electrode by an ion beam assist method by irradiation of ion beams on the bottom electrode such that it has a specific crystal formation followed by forming a piezoelectric layer on top of it by a same method so that the piezoelectric layer also has a specific crystal orientation or forming the piezoelectric layer by performing a process in which a sol containing the material of the piezoelectric film is applied as a coating, subsequently dried and degreased to form a precursor which is then fired, wherein the precursor is irradiated with an ion beam following the degreasing step.

Additionally, the applicants' arguments and explanations therein, concerning the amended claims are persuasive.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Direct inquiry to Examiner Dougherty at (571) 272-2022.

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October 17, 2006

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